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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/620,517	07/16/2003	Praveen Dala-Krishna	79147 (6131)	9016
22242	7590 06/23/2005		EXAM	INER
FITCH EVE	N TABIN AND FLAI	IMAM, ALI M		
120 SOUTH L	A SALLE STREET			
SUITE 1600			ART UNIT	PAPER NUMBER
CHICAGO, II	L 60603-3406		3737	,

DATE MAILED: 06/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		$\boldsymbol{\mathcal{E}}$			
	Application No.	Applicant(s)			
	10/620,517	DALA-KRISHNA ET AL.			
Office Action Summary	Examiner	Art Unit			
	Ali Imam	3737			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	66(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days a sply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1)⊠ Responsive to communication(s) filed on 16 Ju	ıly 2003.				
	<u> </u>				
3) Since this application is in condition for allowan	3) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is				
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) ⊠ Claim(s) 1-35 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-35 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers		•			
9) The specification is objected to by the Examine	<i></i> r.				
10)⊠ The drawing(s) filed on <u>16 July 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Ex	• • • • • • • • • • • • • • • • • • • •	•			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati ity documents have been receive ı (PCT Rule 17.2(a)).	on No ed in this National Stage			
		•			
Attachment(s)	_				
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 2/17/4:2777	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:				

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 3. Claims 1-35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nappholz et al. (US 5,183,040). Nappholz teaches an ultrasound system suitable for measuring cardiac output of a patient's heart (see cols. 4-6) comprising the steps or structures for advancing the electrode to the proximity of the upper left ventricle (see Figs. 4-5); placing an ultrasound

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catheter (73) comprising at least one transducer utilizing piezoelectric properties to generate acoustic signals from electrical signals; and attaching the electrode to the desired position.

Nappholz fails to mention specifically that the ultrasound catheter is also used for imaging the area of the patient's heart. However, it is well know in the art of ultrasound imaging and diagnostic system to use ultrasound catheter for imaging purposes as well as therapeutic purposes depending on the setting of frequencies of the piezoelectric transducer.

Sharp teaches an ultrasound catheter that is used for imaging a patient's heart.

Therefore, it would have been obvious to an ordinary skill the art, at the time the invention was made to modify Nappholz's ultrasound catheter system such that it can be used as imaging purposes also according to the teachings of Sharp so that accurate placement of the electrode near the patient's heart can be achieved.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ali Imam whose telephone number is 571-272-4737. The examiner can normally be reached on Mon. - Th., 8:00-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Casler can be reached on 571-272-4956. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ali Imam

Primary Examiner Art Unit 3737

AI 5/30/5